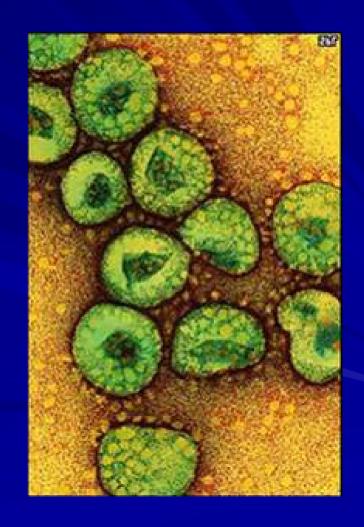
SARS Preparedness Survey— A Proxy for Emerging Infectious Disease Preparedness

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Severe Acute Respiratory Syndrome

- Acute viral illness
- First reported in Asia--Feb. 2003
- Caused by a previously unrecognized corona virus, called SARS-CoV



Transmission

- Healthcare facilities proved to be a major link during the 2003 global epidemic.
- In areas with extensive outbreaks, SARS spread most readily among HCWs caring for SARS patients.

Transmission

- In Toronto, 77% of patients in the first phase were infected in the hospital setting.
- Half of all SARS cases in Toronto were HCWs.
- In Hong Kong, 21% of all SARS cases occurred in HCWs.

Rapid & Decisive Surveillance & Containment

- KEY To Successful Implementation
 - Up to date information
 - Rapid & effective institution of control measures
 - An effective organizational & decision-making plan
 - Trained staff with the ability to decisively implement such a plan

SARS Preparedness Survey

The Bureau of Infectious Disease Control (Investigation Section) developed a survey to assess hospital SARS preparedness based on CDC recommendation for health care facilities.

Guidance Resources for Hospitals



CDC Home

Search

Health Topics A-Z

Severe Acute Respiratory Syndrome (SARS)

Contact Us



SARS Home > Public Health Guidance... >

Public Health Guidance for Community-Level Preparedness and Response to Severe Acute Respiratory Syndrome (SARS)

Version 2

Supplement C: Preparedness

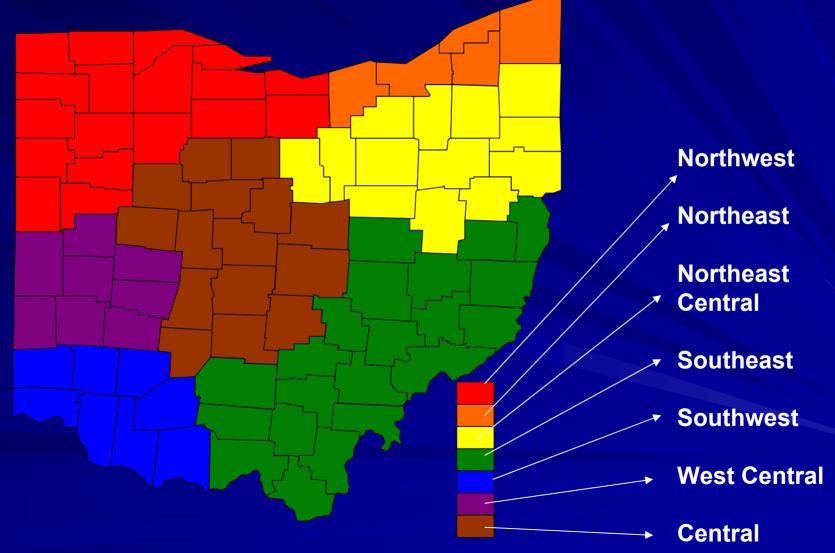
SARS

What Everyone Should

Goals & Objectives

- To evaluate Ohio hospitals' preparedness for SARS and other emerging pathogens
- To identify the strengths of Ohio hospitals' preparedness and
- To identify resources and opportunities for improvement so that Ohio is better prepared

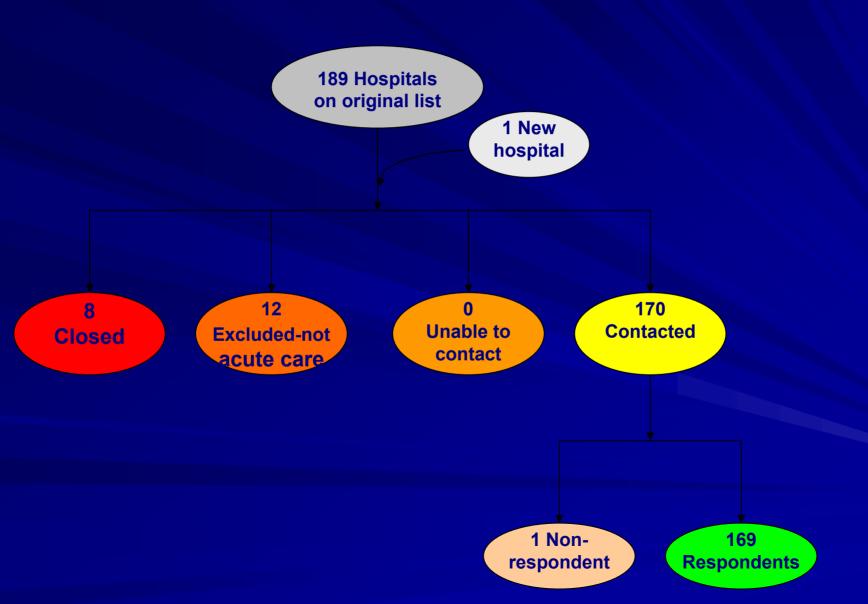
Homeland Security Planning Regions

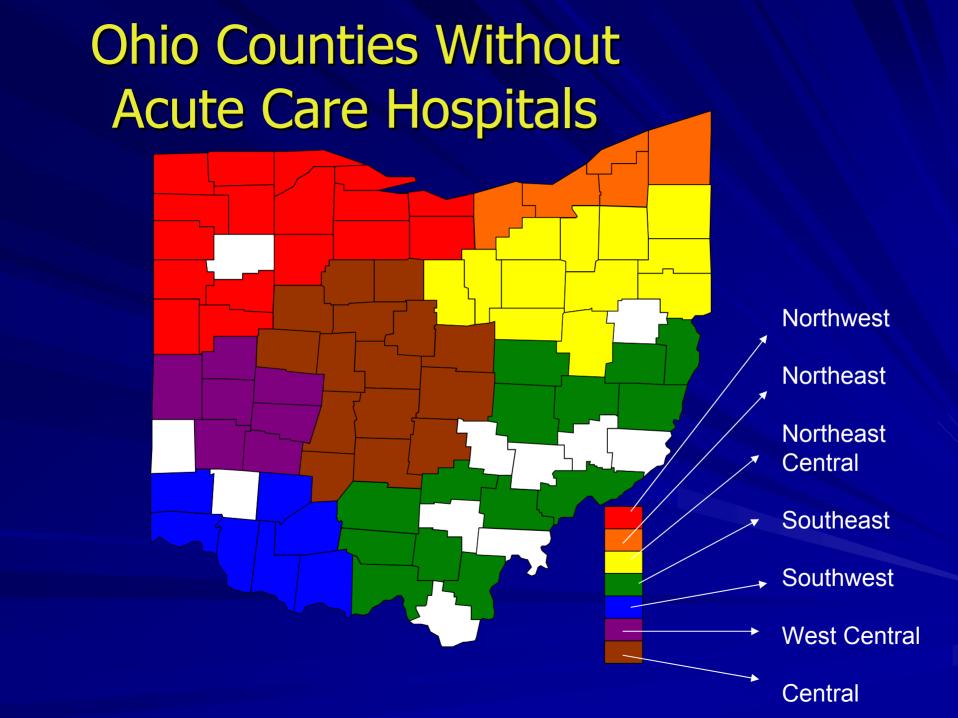


Methods

- A written survey was developed using objectives from Supplement C
- Local public health departments were an integral part of assessment
 - 129 Local health departments assessed
 180 hospitals
 - 8 Local health departments requested
 ODH send surveys directly to hospitals

Survey Response Disposition





SARS Preparedness Survey — 11 Focus Areas Assessed

- Preparedness planning
- Surveillance
- Management of health care worker safety
- Basic infection control
- Appropriate triage and placement of patients
- Engineering and environmental controls

- Exposure reporting and evaluation and reporting of potential exposures
- Alternate staffing plans
- Plans to limit admissions to unrecognized SARS cases
- Ensuring availability of essential supplies and equipment
- Communication among health care facilities, the local health department and others with a "need to know" function.

Scoring the Survey

- Hospitals were scored 1 point for each objective marked as completed by January 23, 2004.
 - "Fully prepared" all 39 essential tasks completed
 - "Well prepared" between 30 and 38 completed
 - "Prepared" between 20 and 29 completed
 - "Making progress" between 10 and 19 completed
 - "At risk" in the event of re-emergence of SARS if the hospital scored 9 or below

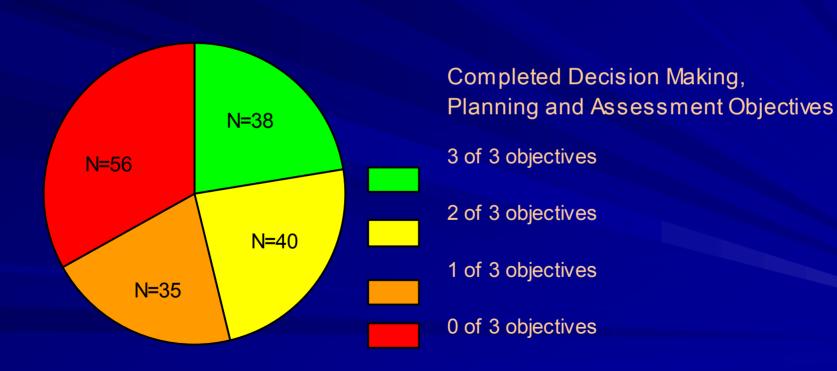
Response Rate by Region

Region	Respondents	Hospitals	Percent Response
West Central	17	17	100.0%
Southwest	20	20	100.0%
Central	26	26	100.0%
Northeast	28	28	100.0%
Northeast Central	29	29	100.0%
Northwest	29	29	100.0%
Southeast	20	21	95.2%
Statewide	169	170	99.4%

SARS Preparedness Decision Making, Planning, & Assessment

- Does the hospital have a planning and decision-making structure that ensures the capacity to detect and respond effectively to SARS?
- Has the hospital assessed the capacity of the facility to respond to SARS?
- Has the hospital developed a written SARS preparedness and response plan, for various levels of SARS activity?

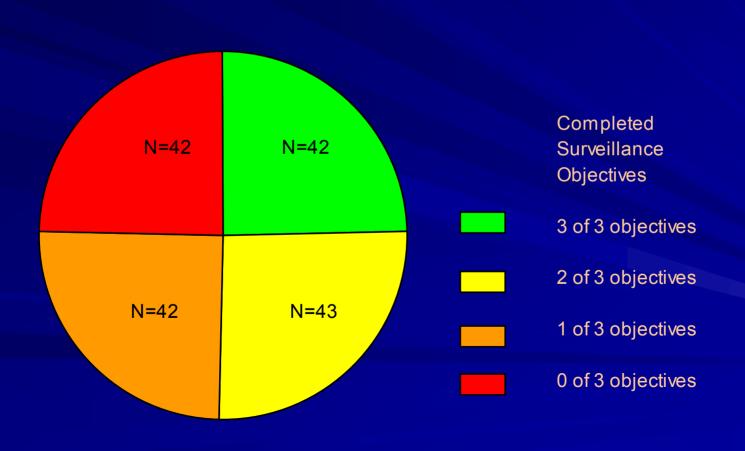
SARS Preparedness Decision Making, Planning, & Assessment



SARS Surveillance

- Have visual alerts (signs) been placed at the entrances to all outpatient facilities requesting that patients inform health care personnel of respiratory symptoms when they register for care?
- Are all patients hospitalized with pneumonia who might indicate a higher index of suspicion for SARS-CoV infection screened for travel, etc.?
- Have clinicians been instructed how to promptly report a potential SARS case to hospital and public health officials?

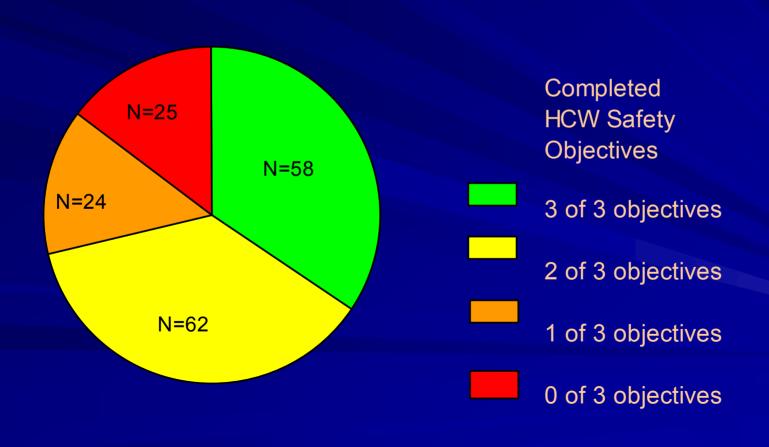
SARS Surveillance



SARS Health Care Worker (HCW) Safety

- Have assigned emergency staff been trained and fit-tested to evaluate possible SARS patients?
- Has the staff been instructed to wear appropriate PPE when evaluating potential SARS patients?
- Has staff been instructed to use droplet precautions when caring for any patient with both fever & respiratory symptoms?

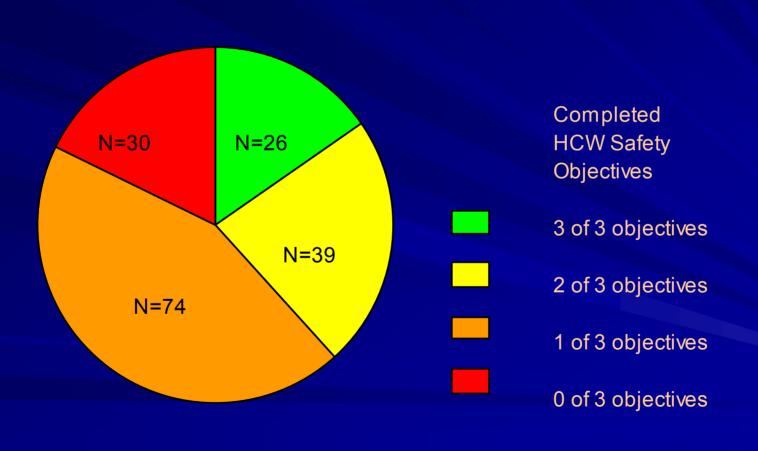
SARS Health Care Worker (HCW) Safety



Basic Infection Control

- Has it been determined how infection control training/re-emphasizing will be provided for all hospital personnel and visitors who might be affected by SARS?
- Have posters & instructional materials been develop a muteach appropriate hand hygiene and standard precentages teach the correct sequence and methods for dom. Part and removing PPE, instructions on actions to the QUEST an exposure and instructions to visitors and part on with symptoms and SARS risk factors to repeat a specified screening and evaluation site?
- Has the concept of "respiratory etiquette" been instituted to help decrease transmission of SARS-CoV and other respiratory pathogens?

Basic Infection Control



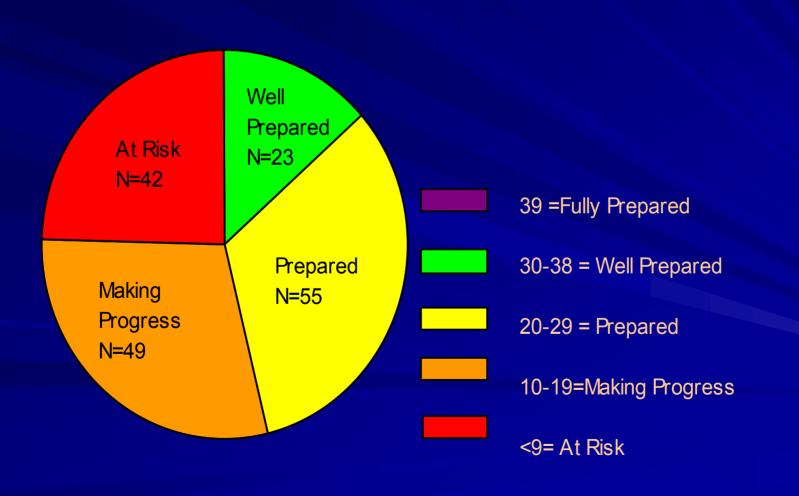
Areas of Strength

- Top 25% of Ohio hospitals showed strength in the following categories:
 - Health care worker safety
 - Engineering/environmental controls
 - Exposure reporting & evaluation
 - Availability of essential supplies, and
 - Communication plans.

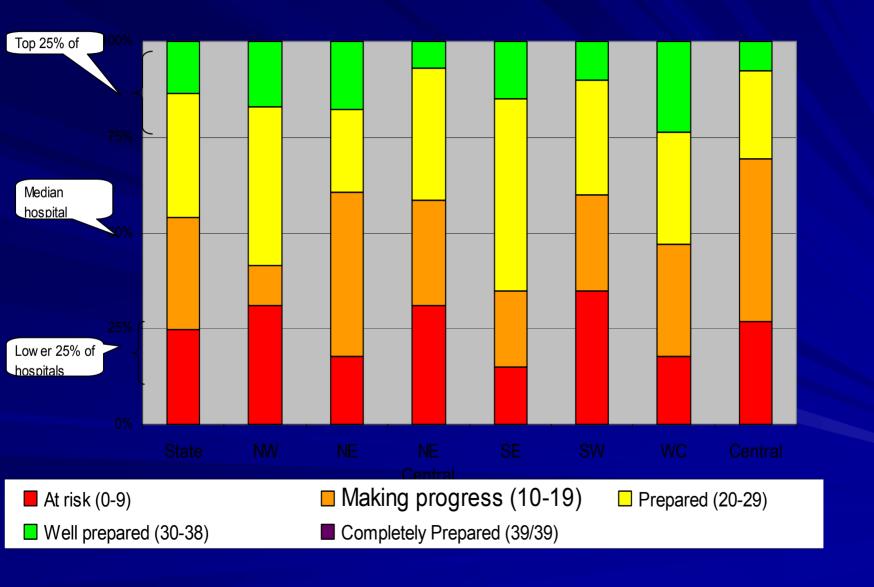
Areas Showing Opportunities for Improvement

- Based on the median hospital in Ohio, the categories are:
 - Preparedness planning
 - Alternate staffing plans, and
 - Importance of basic infection control

SARS Preparedness Survey — Statewide Results



Cross Regional Comparison



Recommendations

- Resource offerings:
 - Local Public Health Departments
 - Ohio Department of Health
 - CDC.GOV (web site)
 - APIC.ORG (web site)
 - Ohanet.org (web site)
 - Each of the web sites offer educational courses and information related to "mass preparedness" issues.

Recommended Resources

- Association for Professionals in Infection Control and Epidemiology (APIC) is offering an e-learning course on "Assessing Facility Bio terrorism Preparedness: A guide for ICPs" (visit APIC.ORG)
- Local APIC chapters (5 in Ohio), welcome guests and new members. Educational offerings, sharing and networking are a major part of chapter meetings. (locate local chapters on APIC.ORG)
- An infection control beginners course (ICE I) and an intermediate course (ICE II) were offered in Columbus area summer 2004. Registration fees were provided at no cost to Ohio's hospital ICPs.
 - Thirteen of the 39 objectives assessed in the survey are addressed in ICE I.

THE END

